

# Fabián Flores-Bazán

## List of Publications by Year in descending order

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55  
papers

900  
citations

430442

18  
h-index

500791

28  
g-index

55  
all docs

55  
docs citations

55  
times ranked

250  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficiency in quasiconvex multiobjective nondifferentiable optimization on the real line. Optimization, 2022, 71, 285-307.	1.0	1
2	Special Issue â€International Seminar on Optimization and Related Areasâ€™. Optimization, 2022, 71, i-iii.	1.0	0
3	Effect of models uncertainties on the emission constrained economic dispatch. A prediction interval-based approach. Applied Energy, 2022, 317, 119070.	5.1	3
4	Special issue on variational analysis, optimization and their applications. Optimization Letters, 2021, 15, 813-815.	0.9	0
5	Characterizing Existence of Minimizers and Optimality to Nonconvex Quadratic Integrals. Journal of Optimization Theory and Applications, 2021, 188, 497-522.	0.8	1
6	Characterizing Convexity of Images for Quadratic-Linear Mappings with Applications in Nonconvex Quadratic Optimization. SIAM Journal on Optimization, 2021, 31, 1774-1796.	1.2	2
7	Characterizing quasiconvexity of the pointwise infimum of a family of arbitrary translations of quasiconvex functions, with applications to sums and quasiconvex optimization. Mathematical Programming, 2021, 189, 315-337.	1.6	4
8	Extensions of the Standard Quadratic Optimization Problem: Strong Duality, Optimality, Hidden Convexity and S-lemma. Applied Mathematics and Optimization, 2020, 81, 383-408.	0.8	3
9	A duality theory approach to the environmental/economic dispatch problem. Electric Power Systems Research, 2020, 184, 106285.	2.1	4
10	Proper or Weak Efficiency via Saddle Point Conditions in Cone-Constrained Nonconvex Vector Optimization Problems. Journal of Optimization Theory and Applications, 2019, 181, 787-816.	0.8	6
11	Strong duality and KKT conditions in nonconvex optimization with a single equality constraint and geometric constraint. Mathematical Programming, 2018, 168, 369-400.	1.6	5
12	Primal or dual strong-duality in nonconvex optimization and a class of quasiconvex problems having zero duality gap. Journal of Global Optimization, 2017, 69, 823-845.	1.1	6
13	Computing the value of information of quadratic decision problems and its non-negativity conditions. Optimization, 2017, 66, 1337-1358.	1.0	1
14	First- and Second-Order Asymptotic Analysis with Applications in Quasiconvex Optimization. Journal of Optimization Theory and Applications, 2016, 170, 372-393.	0.8	15
15	Maximizing and minimizing quasiconvex functions: related properties, existence and optimality conditions via radial epiderivatives. Journal of Global Optimization, 2015, 63, 99-123.	1.1	21
16	Characterizing FJ and KKT Conditions in Nonconvex Mathematical Programming with Applications. SIAM Journal on Optimization, 2015, 25, 647-676.	1.2	12
17	Characterizing Efficiency on Infinite-dimensional Commodity Spaces with Ordering Cones Having Possibly Empty Interior. Journal of Optimization Theory and Applications, 2015, 164, 455-478.	0.8	22
18	On the Convexity of the Value Function for a Class of Nonconvex Variational Problems: Existence and Optimality Conditions. SIAM Journal on Control and Optimization, 2014, 52, 3673-3693.	1.1	7

#	ARTICLE	IF	CITATIONS
19	Fritz John Necessary Optimality Conditions of the Alternative-Type. <i>Journal of Optimization Theory and Applications</i> , 2014, 161, 807-818.	0.8	6
20	A geometric characterization of strong duality in nonconvex quadratic programming with linear and nonconvex quadratic constraints. <i>Mathematical Programming</i> , 2014, 145, 263-290.	1.6	14
21	Strong Duality in Cone Constrained Nonconvex Optimization. <i>SIAM Journal on Optimization</i> , 2013, 23, 153-169.	1.2	25
22	Characterizing the efficient points without closedness or free-disposability. <i>Central European Journal of Operations Research</i> , 2013, 21, 401-410.	1.1	4
23	Optimality conditions for a unified vector optimization problem with not necessarily preordering relations. <i>Journal of Global Optimization</i> , 2013, 56, 299-315.	1.1	29
24	Maximal Elements Under Reference-Dependent Preferences with Applications to Behavioral Traps and Games. <i>Journal of Optimization Theory and Applications</i> , 2012, 155, 883-901.	0.8	6
25	Gordan-Type Alternative Theorems and Vector Optimization Revisited. <i>Vector Optimization</i> , 2012, , 29-59.	0.7	15
26	Inner and outer estimates for the solution sets and their asymptotic cones in vector optimization. <i>Optimization Letters</i> , 2012, 6, 1233-1249.	0.9	6
27	A complete characterization of strong duality in nonconvex optimization with a single constraint. <i>Journal of Global Optimization</i> , 2012, 53, 185-201.	1.1	8
28	A unified vector optimization problem: complete scalarizations and applications. <i>Optimization</i> , 2011, 60, 1399-1419.	1.0	48
29	A Br��zis�� Browder principle on partially ordered spaces and related ordering theorems. <i>Journal of Mathematical Analysis and Applications</i> , 2011, 375, 245-260.	0.5	27
30	Weak efficiency in multiobjective quasiconvex optimization on the real-line without derivatives. <i>Optimization</i> , 2009, 58, 77-99.	1.0	2
31	Strict Efficiency in Set-Valued Optimization. <i>SIAM Journal on Control and Optimization</i> , 2009, 48, 881-908.	1.1	48
32	Characterizing efficiency without linear structure: a unified approach. <i>Journal of Global Optimization</i> , 2008, 41, 43-60.	1.1	23
33	An Optimal Alternative Theorem and Applications to Mathematical Programming. <i>Journal of Global Optimization</i> , 2007, 37, 229-243.	1.1	33
34	Characterization of the Nonemptiness and Compactness of Solution Sets in Convex and Nonconvex Vector Optimization. <i>Journal of Optimization Theory and Applications</i> , 2006, 130, 185-207.	0.8	18
35	Asymptotic analysis, existence and sensitivity results for a class of multivalued complementarity problems. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2006, 12, 271-293.	0.7	9
36	The Linear Complementarity Problem Under Asymptotic Analysis. <i>Mathematics of Operations Research</i> , 2005, 30, 73-90.	0.8	12

#	ARTICLE	IF	CITATIONS
37	On the Representation of Approximate Subdifferentials for a Class of Generalized Convex Functions. Set-Valued and Variational Analysis, 2005, 13, 151-166.	0.5	4
38	Characterizing Q-Matrices beyond L-Matrices. Journal of Optimization Theory and Applications, 2005, 127, 447-457.	0.8	4
39	Semistrictly quasiconvex mappings and non-convex vector optimization. Mathematical Methods of Operations Research, 2004, 59, 129-145.	0.4	10
40	Vector Equilibrium Problems Under Asymptotic Analysis. Journal of Global Optimization, 2003, 26, 141-166.	1.1	30
41	Existence Theory for Finite-Dimensional Pseudomonotone Equilibrium Problems. Acta Applicandae Mathematicae, 2003, 77, 249-297.	0.5	59
42	Generalized vector quasi-equilibrium problems with applications. Journal of Mathematical Analysis and Applications, 2003, 277, 246-256.	0.5	65
43	Radial Epiderivatives and Asymptotic Functions in Nonconvex Vector Optimization. SIAM Journal on Optimization, 2003, 14, 284-305.	1.2	28
44	Ideal, weakly efficient solutions for vector optimization problems. Mathematical Programming, 2002, 93, 453-475.	1.6	41
45	Existence Theorems for Generalized Noncoercive Equilibrium Problems: The Quasi-Convex Case. SIAM Journal on Optimization, 2001, 11, 675-690.	1.2	93
46	Optimality conditions in non-convex set-valued optimization. Mathematical Methods of Operations Research, 2001, 53, 403-417.	0.4	38
47	A Variational Problem Related to a Continuous-Time Allocation Process for a Continuum of Traders. Journal of Mathematical Analysis and Applications, 2001, 261, 448-460.	0.5	6
48	Simplified Optimality Conditions for Minimizing the Difference of Vector-Valued Functions. Journal of Optimization Theory and Applications, 2001, 108, 571-586.	0.8	26
49	Optimal Solutions in an Allocation Process for a Continuum of Traders. Journal of Global Optimization, 2000, 16, 153-165.	1.1	4
50	Simplified Global Optimality Conditions in Generalized Conjugation Theory. Nonconvex Optimization and Its Applications, 1998, , 305-329.	0.1	8
51	Approximate minima via the ekeland variational principle $\sup_{1}$ . Numerical Functional Analysis and Optimization, 1997, 18, 777-788.	0.6	0
52	On Minima of the Difference of Functions. Journal of Optimization Theory and Applications, 1997, 93, 525-531.	0.8	13
53	On a notion of subdifferentiability for non-convex functions. Optimization, 1995, 33, 1-8.	1.0	24
54	Existence theorems for a class of nonconvex problems in the calculus of variations. Journal of Optimization Theory and Applications, 1993, 78, 31-48.	0.8	1

#	ARTICLE	IF	CITATIONS
55	First- and Second-Order Optimality Conditions for Quadratically Constrained Quadratic Programming Problems. <i>Journal of Optimization Theory and Applications</i> , 0, , 1.	0.8	0